



SEQUENCE LISTING

<110> ABRIGNANI, SERGIO
GRANDI, GUIDO

<120> HEPATITIS C RECEPTOR PROTEIN CD81

<130> 0366.103 / 2300-0366

<140> 09/509,612

<141> 2000-03-29

<160> 21

<170> PatentIn Ver. 2.0

<210> 1

<211> 49

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
oligodeoxynucleotides

<400> 1

ggcgggggtg gatccggggg tggaggctcg agctttgtca acaaggacc

49

<210> 2

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: peptide

<400> 2

Phe Val Asn Lys Asp

1

5

<210> 3

<211> 38

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
oligodeoxynucleotides

<400> 3

ccccaagctt tcacagcttc ccggagaaga ggtcatcg

38

<210> 4

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<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<400> 4
Leu Lys Gly Ser Phe Leu Asp Asp
1 5

<210> 5
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligodeoxynucleotides

<400> 5
caaaaggaat tctatttgct aacaaggacc agatcgccaa g

41

<210> 6
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<400> 6
Phe Val Asn Lys Asp Gln Ile Ala Lys
1 5

<210> 7
<211> 47
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligodeoxynucleotides

<400> 7
ccccaagctt tcaatgatga tgatgatgat gcagcttccc ggagaag

47

<210> 8
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<400> 8
His His His His His His Leu Lys Gly Ser Phe
1 5 10

<210> 9
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligodeoxynucleotides

<400> 9
cggttccgca gaccactatg

20

<210> 10
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligodeoxynucleotides

<400> 10
tcttcacgca gaaagcgtct a

21

<210> 11
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligodeoxynucleotide

<400> 11
tgagtgtcgt gcagcctcca gga

23

<210> 12
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Human EC2
fragment cloned into pThio-His C

<400> 12

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gagttcctcg acgctaacct ggccggctct ggatccggtg atgacgatga caaggtacct 60
 ggcattgctga gctcgagctt tgtcaacaag gaccagatcg ccaaggatgt gaagcagttc 120
 tatgaccagg ccctacagca ggccgtggtg gatgatgacg ccaacaacgc caaggctgtg 180
 gtgaagacct tccacgagac gcttgactgc tgtggctcca gcacactgac tgctttgacc 240
 acctcagtgc tcaagaacaa tttgtgtccc tcgggcagca acatcatcag caacctcttc 300
 aaggaggact gccaccagaa gatcgatgac ctcttctccg ggaagctgtg aaagctt 357

<210> 13
 <211> 116
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Deduced amino
 acid sequence of EC2 fragment

<400> 13
 Glu Phe Leu Asp Ala Asn Leu Ala Gly Ser Gly Ser Gly Asp Asp Asp
 1 5 10 15
 Asp Lys Val Pro Gly Met Leu Ser Ser Ser Phe Val Asn Lys Asp Gln
 20 25 30
 Ile Ala Lys Asp Val Lys Gln Phe Tyr Asp Gln Ala Leu Gln Gln Ala
 35 40 45
 Val Val Asp Asp Asp Ala Asn Asn Ala Lys Ala Val Val Lys Thr Phe
 50 55 60
 His Glu Thr Leu Asp Cys Cys Gly Ser Ser Thr Leu Thr Ala Leu Thr
 65 70 75 80
 Thr Ser Val Leu Lys Asn Asn Leu Cys Pro Ser Gly Ser Asn Ile Ile
 85 90 95
 Ser Asn Leu Phe Lys Glu Asp Cys His Gln Lys Ile Asp Asp Leu Phe
 100 105 110
 Ser Gly Lys Leu
 115

<210> 14
 <211> 348
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Nucleotide
 sequence of EC20His6 fragment cloned into pGEX-KG

<400> 14
 ctggttccgc gtggatcccc gggaatttcc ggtggtggtg gtggaattct atttgtcaac 60
 aaggaccaga tcgccaagga tgtgaagcag ttctatgacc aggcctaca gcaggccgtg 120

gtggatgatg acgccaacaa cgccaaggct' gtggtgaaga ccttccacga gacgcttgac 180
 tgctgtggct ccagcacact gactgctttg accacctcag tgctcaagaa caatttgtgt 240
 ccctcgggca gcaacatcat cagcaacctc ttcaaggagg actgccacca gaagatcgat 300
 gacctcttct ccgggaagct gcatcatcat catcatcatt gaaagctt 348

<210> 15
 <211> 113
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Deduced amino
 acid sequence of EC2-His 6 fragment

<400> 15
 Leu Val Pro Arg Gly Ser Pro Gly Ile Ser Gly Gly Gly Gly Gly Ile
 1 5 10 15
 Leu Phe Val Asn Lys Asp Gln Ile Ala Lys Asp Val Lys Gln Phe Tyr
 20 25 30
 Asp Gln Ala Leu Gln Gln Ala Val Val Asp Asp Asp Ala Asn Asn Ala
 35 40 45
 Lys Ala Val Val Lys Thr Phe His Glu Thr Leu Asp Cys Cys Gly Ser
 50 55 60
 Ser Thr Leu Thr Ala Leu Thr Thr Ser Val Leu Lys Asn Asn Leu Cys
 65 70 75 80
 Pro Ser Gly Ser Asn Ile Ile Ser Asn Leu Phe Lys Glu Asp Cys His
 85 90 95
 Gln Lys Ile Asp Asp Leu Phe Ser Gly Lys Leu His His His His His
 100 105 110

His

<210> 16
 <211> 236
 <212> PRT
 <213> Pan troglodytes

<400> 16
 Met Gly Val Glu Gly Cys Thr Lys Cys Ile Lys Tyr Leu Leu Phe Val
 1 5 10 15
 Phe Asn Phe Val Phe Trp Leu Ala Gly Gly Val Ile Leu Gly Val Ala
 20 25 30
 Leu Trp Leu Arg His Asp Pro Gln Thr Thr Asn Leu Leu Tyr Leu Glu
 35 40 45
 Leu Gly Asp Lys Pro Ala Pro Asn Thr Phe Tyr Val Gly Ile Tyr Ile

50 55 60
 Leu Ile Ala Val Gly Ala Val Met Met Phe Val Gly Phe Leu Gly Cys
 65 70 75 80
 Tyr Gly Ala Ile Gln Glu Ser Gln Cys Leu Leu Gly Thr Phe Phe Thr
 85 90 95
 Cys Leu Val Ile Leu Phe Ala Cys Glu Val Ala Ala Gly Ile Trp Gly
 100 105 110
 Phe Val Asn Lys Asp Gln Ile Ala Lys Asp Val Lys Gln Phe Tyr Asp
 115 120 125
 Gln Ala Leu Gln Gln Ala Val Val Asp Asp Asp Ala Asn Asn Ala Lys
 130 135 140
 Ala Val Val Lys Thr Phe His Glu Thr Leu Asp Cys Cys Gly Ser Ser
 145 150 155 160
 Thr Leu Thr Ala Leu Thr Thr Ser Val Leu Lys Asn Asn Leu Cys Pro
 165 170 175
 Ser Gly Ser Asn Ile Ile Ser Asn Leu Phe Lys Glu Asp Cys His Gln
 180 185 190
 Lys Ile Asp Asp Phe Phe Ser Gly Lys Leu Tyr Leu Ile Gly Ile Ala
 195 200 205
 Ala Ile Val Val Ala Val Ile Met Ile Phe Glu Met Ile Leu Ser Met
 210 215 220
 Val Leu Cys Cys Gly Ile Arg Asn Ser Ser Val Tyr
 225 230 235
 <210> 17
 <211> 236
 <212> PRT
 <213> Cercopithecus aethiops

 <400> 17
 Met Gly Val Glu Gly Cys Thr Lys Cys Ile Lys Tyr Leu Leu Phe Val
 1 5 10 15
 Phe Asn Phe Val Phe Trp Leu Ala Gly Gly Val Ile Leu Gly Val Ala
 20 25 30
 Leu Trp Leu Arg His Asp Pro Gln Thr Thr Asn Leu Leu Tyr Leu Glu
 35 40 45
 Leu Gly Asp Lys Pro Ala Pro Asn Thr Ser Tyr Val Gly Ile Tyr Ile
 50 55 60
 Leu Ile Ala Val Gly Ala Val Met Met Phe Val Gly Phe Leu Gly Cys

	85		90		95										
Cys	Leu	Val	Ile	Leu	Phe	Ala	Cys	Glu	Val	Ala	Ala	Gly	Ile	Trp	Gly
	100							105					110		
Phe	Val	Asn	Lys	Asp	Gln	Ile	Ala	Lys	Asp	Val	Lys	Gln	Phe	Tyr	Asp
	115						120					125			
Gln	Ala	Leu	Gln	Gln	Ala	Val	Val	Asp	Asp	Asp	Ala	Asn	Asn	Ala	Lys
	130					135					140				
Ala	Val	Val	Lys	Thr	Phe	His	Glu	Thr	Leu	Asn	Cys	Cys	Gly	Ser	Asn
145					150					155					160
Ala	Leu	Thr	Ala	Leu	Thr	Thr	Ser	Val	Leu	Lys	Asn	Ser	Leu	Cys	Pro
			165						170					175	
Ser	Gly	Thr	Asn	Ile	Phe	Asn	Ser	Leu	Met	Lys	Glu	Asp	Cys	His	Gln
			180					185					190		
Lys	Ile	Asp	Glu	Leu	Phe	Ser	Gly	Lys	Leu	Tyr	Leu	Ile	Gly	Ile	Ala
	195						200					205			
Ala	Ile	Val	Val	Ala	Val	Ile	Met	Ile	Phe	Glu	Met	Ile	Leu	Ser	Met
	210					215					220				
Val	Leu	Cys	Cys	Gly	Ile	Arg	Asn	Ser	Ser	Val	Tyr				
225					230					235					
<210>	19														
<211>	236														
<212>	PRT														
<213>	Rattus norvegicus														
<400>	19														
Met	Gly	Val	Glu	Gly	Cys	Thr	Lys	Cys	Ile	Lys	Tyr	Leu	Leu	Phe	Val
1			5						10					15	
Phe	Asn	Phe	Val	Phe	Trp	Leu	Ala	Gly	Gly	Val	Ile	Leu	Gly	Val	Ala
			20					25					30		
Leu	Trp	Leu	Arg	His	Asp	Pro	Gln	Thr	Thr	Thr	Leu	Leu	Tyr	Leu	Glu
		35					40					45			
Leu	Gly	Asp	Lys	Pro	Ala	Pro	Ser	Thr	Phe	Tyr	Val	Gly	Ile	Tyr	Ile
	50					55					60				
Leu	Ile	Ala	Val	Gly	Ala	Val	Met	Met	Phe	Val	Gly	Phe	Leu	Gly	Cys
65					70					75				80	
Tyr	Gly	Ala	Ile	Gln	Glu	Ser	Gln	Cys	Leu	Leu	Gly	Thr	Phe	Phe	Thr
			85						90					95	
Cys	Leu	Val	Ile	Leu	Phe	Ala	Cys	Glu	Val	Ala	Ala	Gly	Ile	Trp	Gly

100	105	110
Phe Val Asn Lys Asp Gln Ile	Ala Lys Asp Val Lys Gln Phe Tyr Asp	
115	120	125
Gln Ala Leu Gln Gln Ala Val Met Asp Asp Asp Ala Asn Asn Ala Lys		
130	135	140
Ala Val Val Lys Thr Phe His Glu Thr Leu Asn Cys Cys Gly Ser Asn		
145	150	155
Thr Leu Thr Thr Leu Thr Thr Ala Val Leu Arg Asn Ser Leu Cys Pro		
	165	170
		175
Ser Ser Ser Asn Ser Phe Thr Gln Leu Leu Lys Glu Asp Cys His Gln		
	180	185
		190
Lys Ile Asp Glu Leu Phe Ser Gly Lys Leu Tyr Leu Ile Gly Ile Ala		
195	200	205
Ala Ile Val Val Ala Val Ile Met Ile Phe Glu Met Ile Leu Ser Met		
210	215	220
Val Leu Cys Cys Gly Ile Arg Asn Ser Ser Val Tyr		
225	230	235
<210> 20		
<211> 236		
<212> PRT		
<213> Mus musculus		
<400> 20		
Met Gly Val Glu Gly Cys Thr Lys Cys Ile Lys Tyr Leu Leu Phe Val		
1	5	10
		15
Phe Asn Phe Val Phe Trp Leu Ala Gly Gly Val Ile Leu Gly Val Ala		
	20	25
		30
Leu Trp Leu Arg His Asp Pro Gln Thr Thr Ser Leu Leu Tyr Leu Glu		
	35	40
		45
Leu Gly Asn Lys Pro Ala Pro Asn Thr Phe Tyr Val Gly Ile Tyr Ile		
50	55	60
Leu Ile Ala Val Gly Ala Val Met Met Phe Val Gly Phe Leu Gly Cys		
65	70	75
		80
Tyr Gly Ala Ile Gln Glu Ser Gln Cys Leu Leu Gly Thr Phe Phe Thr		
	85	90
		95
Cys Leu Val Ile Leu Phe Ala Cys Glu Val Ala Ala Gly Ile Trp Gly		
100	105	110
Phe Val Asn Lys Asp Gln Ile Ala Lys Asp Val Lys Gln Phe Tyr Asp		

115		120		125
Gln Ala Leu Gln Gln Ala Val Met Asp Asp Asp Ala Asn Asn Ala Lys				
130		135		140
Ala Val Val Lys Thr Phe His Glu Thr Leu Asn Cys Cys Gly Ser Asn				
145		150		155
Ala Leu Thr Thr Leu Thr Thr Thr Ile Leu Arg Asn Thr Leu Cys Pro				
	165		170	175
Ser Gly Gly Asn Ile Leu Thr Pro Leu Leu Gln Gln Asp Cys His Gln				
	180		185	190
Lys Ile Asp Glu Leu Phe Ser Gly Lys Leu Tyr Leu Ile Gly Ile Ala				
195		200		205
Ala Ile Val Val Ala Val Ile Met Ile Phe Glu Met Ile Leu Ser Met				
210		215		220
Val Leu Cys Cys Gly Ile Arg Asn Ser Ser Val Tyr				
225		230		235

<210> 21

<211> 236

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: description

<400> 21

Met Gly Val Glu Gly Cys Thr Lys Cys Ile Lys Tyr Leu Leu Phe Val				
1		5		10
				15
Phe Asn Phe Val Phe Trp Leu Ala Gly Gly Val Ile Leu Gly Val Ala				
	20		25	30
Leu Trp Leu Arg His Asp Pro Gln Thr Thr Asn Leu Leu Tyr Leu Glu				
	35		40	45
Leu Gly Asp Lys Pro Ala Pro Asn Thr Phe Tyr Val Gly Ile Tyr Ile				
	50		55	60
Leu Ile Ala Val Gly Ala Val Met Met Phe Val Gly Phe Leu Gly Cys				
	65		70	75
				80
Tyr Gly Ala Ile Gln Glu Ser Gln Cys Leu Leu Gly Thr Phe Phe Thr				
	85		90	95
Cys Leu Val Ile Leu Phe Ala Cys Glu Val Ala Ala Gly Ile Trp Gly				
	100		105	110

Phe Val Asn Lys Asp Gln Ile Ala Lys Asp Val Lys Gln Phe Tyr Asp
 115 . 120 125
 Gln Ala Leu Gln Gln Ala Val Val Asp Asp Asp Ala Asn Asn Ala Lys
 130 135 140
 Ala Val Val Lys Thr Phe His Glu Thr Leu Asp Cys Cys Gly Ser Ser
 145 150 155 160
 Thr Leu Thr Ala Leu Thr Thr Ser Val Leu Lys Asn Asn Leu Cys Pro
 165 170 175
 Ser Gly Ser Asn Ile Ile Ser Asn Leu Phe Lys Glu Asp Cys His Gln
 180 185 190
 Lys Ile Asp Asp Leu Phe Ser Gly Lys Leu Tyr Leu Ile Gly Ile Ala
 195 200 205
 Ala Ile Val Val Ala Val Ile Met Ile Phe Glu Met Ile Leu Ser Met
 210 215 220
 Val Leu Cys Cys Gly Ile Arg Asn Ser Ser Val Tyr
 225 230 235